

GenCore version 5.1.3  
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OM protein - protein search, using sw model

Run on: February 11, 2003, 19:47:59 ; Search time 18 Seconds  
(without alignments)  
664.271 Million cell updates/sec

Title: US-09-497-967-7  
Perfect score: 2540  
Sequence: 1 MKNILVILIISLFIHQIKS.....QCDFANFLSILLISYLL 468

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 140259 seqs, 25548876 residues

Total number of hits satisfying chosen parameters: 140259

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published\_Applications\_AA.\*

- 1: /cgn2\_6/ptodata/2/pubpaa/US08\_NEW\_PUB.pep.\*
- 2: /cgn2\_6/ptodata/2/pubpaa/PCT\_NEW\_PUB.pep.\*
- 3: /cgn2\_6/ptodata/2/pubpaa/US06\_NEW\_PUB.pep.\*
- 4: /cgn2\_6/ptodata/2/pubpaa/US06\_PUBCOMB.pep.\*
- 5: /cgn2\_6/ptodata/2/pubpaa/US07\_NEW\_PUB.pep.\*
- 6: /cgn2\_6/ptodata/2/pubpaa/US07\_PUBCOMB.pep.\*
- 7: /cgn2\_6/ptodata/2/pubpaa/PCTUS\_PUBCOMB.pep.\*
- 8: /cgn2\_6/ptodata/2/pubpaa/US08\_PUBCOMB.pep.\*
- 9: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 10: /cgn2\_6/ptodata/2/pubpaa/US09\_PUBCOMB.pep.\*
- 11: /cgn2\_6/ptodata/2/pubpaa/US09\_NEW\_PUB.pep.\*
- 12: /cgn2\_6/ptodata/2/pubpaa/US10\_NEW\_PUB.pep.\*
- 13: /cgn2\_6/ptodata/2/pubpaa/US10\_PUBCOMB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US60\_NEW\_PUB.pep.\*
- 14: /cgn2\_6/ptodata/2/pubpaa/US60\_PUBCOMB.pep.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	% Match	Query Length	ID	Description
1	245.5	9.7	1076	9	US-10-028-072-219
2	245.5	9.7	1076	9	Sequence 219, App
3	245.5	9.7	1076	9	US-10-121-049-219
4	245.5	9.7	1076	9	Sequence 219, App
5	245.5	9.7	1076	9	US-10-123-904-219
6	245.5	9.7	1076	9	Sequence 219, App
7	245.5	9.7	1076	9	US-10-140-470-219
8	245.5	9.7	1076	9	Sequence 219, App
9	245.5	9.7	1076	9	US-10-175-746-219
10	245.5	9.7	1076	9	Sequence 219, App
11	245.5	9.7	1076	9	US-10-176-918-219
12	245.5	9.7	1076	9	Sequence 219, App
13	245.5	9.7	1076	9	US-10-176-921-219
14	245.5	9.7	1076	9	Sequence 219, App
15	245.5	9.7	1076	9	US-10-176-932-40
16	245.5	9.7	1076	9	Sequence 47, Appl
17	245.5	9.7	1076	9	US-09-975-143-47
18	245.5	9.7	1076	9	Sequence 525, App
19	245.5	9.7	1076	9	US-10-174-590-525
20	245.5	9.7	1076	9	Sequence 525, App
21	245.5	9.7	1076	9	US-10-176-758-525
22	245.5	9.7	1076	9	Sequence 525, App
23	245.5	9.7	1076	9	US-10-175-737-525
24	245.5	9.7	1076	9	Sequence 525, App
25	245.5	9.7	1076	9	US-10-173-706-525
26	245.5	9.7	1076	9	Sequence 525, App
27	245.5	9.7	1076	9	US-10-175-738-525
28	245.5	9.7	1076	9	Sequence 525, App
29	245.5	9.7	1076	9	US-10-173-738-525
30	245.5	9.7	1076	9	Sequence 525, App
31	245.5	9.7	1076	9	US-10-175-752-525
32	245.5	9.7	1076	9	Sequence 525, App
33	245.5	9.7	1076	9	US-10-176-482-525
34	245.5	9.7	1076	9	Sequence 525, App
35	245.5	9.7	1076	9	US-10-176-757-525
36	245.5	9.7	1076	9	Sequence 525, App
37	245.5	9.7	1076	9	US-10-176-913-525
38	245.5	9.7	1076	9	Sequence 525, App
39	245.5	9.7	1076	9	US-10-180-552-525
40	245.5	9.7	1076	9	Sequence 525, App

20	233.5	9.2	4440	9	US-10-180-557-525	Sequence 525, App
21	233.5	9.2	4440	9	US-10-173-700-525	Sequence 525, App
22	233.5	9.2	4440	9	US-10-174-572-525	Sequence 525, App
23	233.5	9.2	4440	9	US-10-174-572-525	Sequence 525, App
24	233.5	9.2	4440	9	US-10-174-579-525	Sequence 525, App
25	233.5	9.2	4440	9	US-10-174-582-525	Sequence 525, App
26	233.5	9.2	4440	9	US-10-174-588-525	Sequence 525, App
27	233.5	9.2	4440	9	US-10-175-739-525	Sequence 525, App
28	233.5	9.2	4440	9	US-10-175-740-525	Sequence 525, App
29	233.5	9.2	4440	9	US-10-175-743-525	Sequence 525, App
30	233.5	9.2	4440	9	US-10-176-488-525	Sequence 525, App
31	233.5	9.2	4440	9	US-10-176-492-525	Sequence 525, App
32	233.5	9.2	4440	9	US-10-176-747-525	Sequence 525, App
33	233.5	9.2	4440	9	US-10-176-750-525	Sequence 525, App
34	233.5	9.2	4440	9	US-10-176-985-525	Sequence 525, App
35	233.5	9.2	4440	9	US-10-176-987-525	Sequence 525, App
36	233.5	9.2	4440	9	US-10-176-991-525	Sequence 525, App
37	233.5	9.2	4440	9	US-10-176-992-525	Sequence 525, App
38	233.5	9.2	4440	9	US-10-176-993-525	Sequence 525, App
39	233.5	9.2	4440	9	US-10-184-638-525	Sequence 525, App
40	230.5	9.1	480	12	US-10-052-586-525	Sequence 525, App
41	225	8.9	1401	9	US-09-823-936-16	Sequence 16, Appl
42	224	8.8	575	9	US-09-759-130B-177	Sequence 177, App
43	216.5	8.5	585	10	US-09-791-932-46	Sequence 46, Appl
44	216.5	8.5	1422	10	US-09-817-774-24	Sequence 24, Appl
45	216	8.5	1894	9	US-09-735-933-1	Sequence 1, Appl1
					US-10-174-590-97	Sequence 97, Appl1

## ALIGNMENTS

RESULT 1  
US-10-028-072-219  
; Sequence 219, Application US/10028072  
; Publication No. US20030004311A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Beresini, Maureen  
; APPLICANT: DeForge, Laura  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Filvaroff, Ellen  
; APPLICANT: Gao, Wei-Qiang  
; APPLICANT: Gerritsen, Mary E.  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Sherwood, Steven  
; APPLICANT: Smith, Victoria  
; APPLICANT: Stewart, Timothy A.  
; APPLICANT: Tamas, Daniel  
; APPLICANT: Watanabe, Colin K  
; APPLICANT: Wood, William  
; APPLICANT: Zhang  
; TITLE OF INVENTION:  
; FILE REFERENCE:  
; CURRENT APPLICATION NUMBER: US/10/028,072  
; CURRENT FILING DATE: 2001-12-19  
; PRIOR APPLICATION NUMBER: 60/049911  
; PRIOR FILING DATE: 1997-06-18  
; PRIOR APPLICATION NUMBER: 60/056974  
; PRIOR FILING DATE: 1997-08-26  
; PRIOR APPLICATION NUMBER: 60/059113  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059115  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059117  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059122  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059184  
; PRIOR FILING DATE: 1997-09-17  
; PRIOR APPLICATION NUMBER: 60/059263  
; PRIOR FILING DATE: 1997-09-18

1 PRIOR APPLICATION NUMBER: 60/059352  
2 PRIOR FILING DATE: 1997-09-19  
3 PRIOR APPLICATION NUMBER: 60/059588  
4 PRIOR FILING DATE: 1997-09-19  
5 PRIOR APPLICATION NUMBER: 60/059836  
6 PRIOR FILING DATE: 1997-09-24  
7 PRIOR APPLICATION NUMBER: 60/062250  
8 PRIOR FILING DATE: 1997-10-17  
9 PRIOR APPLICATION NUMBER: 60/062285  
10 PRIOR FILING DATE: 1997-10-17  
11 PRIOR APPLICATION NUMBER: 60/062287  
12 PRIOR FILING DATE: 1997-10-17  
13 PRIOR APPLICATION NUMBER: 60/062814  
14 PRIOR FILING DATE: 1997-10-24  
15 PRIOR APPLICATION NUMBER: 60/062816  
16 PRIOR FILING DATE: 1997-10-24  
17 PRIOR APPLICATION NUMBER: 60/063045  
18 PRIOR FILING DATE: 1997-10-24  
19 PRIOR APPLICATION NUMBER: 60/063082  
20 PRIOR FILING DATE: 1997-10-31  
21 PRIOR APPLICATION NUMBER: 60/063127  
22 PRIOR FILING DATE: 1997-10-24  
23 PRIOR APPLICATION NUMBER: 60/063327  
24 PRIOR FILING DATE: 1997-10-27  
25 PRIOR APPLICATION NUMBER: 60/063329  
26 PRIOR FILING DATE: 1997-10-27  
27 PRIOR APPLICATION NUMBER: 60/063550  
28 PRIOR FILING DATE: 1997-10-28  
29 PRIOR APPLICATION NUMBER: 60/063561  
30 PRIOR FILING DATE: 1997-10-28  
31 PRIOR APPLICATION NUMBER: 60/063704  
32 PRIOR FILING DATE: 1997-10-29  
33 PRIOR APPLICATION NUMBER: 60/063733  
34 PRIOR FILING DATE: 1997-10-29  
35 PRIOR APPLICATION NUMBER: 60/063735  
36 PRIOR FILING DATE: 1997-10-29  
37 PRIOR APPLICATION NUMBER: 60/063738  
38 PRIOR FILING DATE: 1997-10-29  
39 PRIOR APPLICATION NUMBER: 60/063755  
40 PRIOR FILING DATE: 1997-10-17  
41 PRIOR APPLICATION NUMBER: 60/064248  
42 PRIOR FILING DATE: 1997-11-03  
43 PRIOR APPLICATION NUMBER: 60/064809  
44 PRIOR FILING DATE: 1997-11-07  
45 PRIOR APPLICATION NUMBER: 60/065186  
46 PRIOR FILING DATE: 1997-11-12  
47 PRIOR APPLICATION NUMBER: 60/065846  
48 PRIOR FILING DATE: 1997-11-17  
49 PRIOR APPLICATION NUMBER: 60/066364  
50 PRIOR FILING DATE: 1997-11-21  
51 PRIOR APPLICATION NUMBER: 60/066453  
52 PRIOR FILING DATE: 1997-11-24  
53 PRIOR APPLICATION NUMBER: 60/066511  
54 PRIOR FILING DATE: 1997-11-24  
55 PRIOR APPLICATION NUMBER: 60/066770  
56 PRIOR FILING DATE: 1997-11-24  
57 PRIOR APPLICATION NUMBER: 60/069212  
58 PRIOR FILING DATE: 1997-12-11  
59 PRIOR APPLICATION NUMBER: 60/069278  
60 PRIOR FILING DATE: 1997-12-11  
61 PRIOR APPLICATION NUMBER: 60/069334  
62 PRIOR FILING DATE: 1997-12-11  
63 PRIOR APPLICATION NUMBER: 60/069694  
64 PRIOR FILING DATE: 1997-12-16  
65 PRIOR APPLICATION NUMBER: 60/072320  
66 PRIOR FILING DATE: 1998-01-23  
67 PRIOR APPLICATION NUMBER: 60/073612  
68 PRIOR FILING DATE: 1998-02-04  
69 PRIOR APPLICATION NUMBER: 60/074086  
70 PRIOR FILING DATE: 1998-02-09  
71 PRIOR APPLICATION NUMBER: 60/074092  
72 PRIOR FILING DATE: 1998-02-09  
73 PRIOR APPLICATION NUMBER: 60/077791  
74 PRIOR FILING DATE: 1998-06-23  
75 PRIOR APPLICATION NUMBER: 60/078910  
76 PRIOR FILING DATE: 1998-03-20  
77 PRIOR APPLICATION NUMBER: 60/079294  
78 PRIOR FILING DATE: 1998-03-25  
79 PRIOR APPLICATION NUMBER: 60/079663  
80 PRIOR FILING DATE: 1998-02-27  
81 PRIOR APPLICATION NUMBER: 60/079728  
82 PRIOR FILING DATE: 1998-03-27  
83 PRIOR APPLICATION NUMBER: 60/080165  
84 PRIOR FILING DATE: 1998-03-31  
85 PRIOR APPLICATION NUMBER: 60/081203  
86 PRIOR FILING DATE: 1998-04-09  
87 PRIOR APPLICATION NUMBER: 60/081229  
88 PRIOR FILING DATE: 1998-04-09  
89 PRIOR APPLICATION NUMBER: 60/081695  
90 PRIOR FILING DATE: 1998-04-14  
91 PRIOR APPLICATION NUMBER: 60/081817  
92 PRIOR FILING DATE: 1998-04-15  
93 PRIOR APPLICATION NUMBER: 60/081818  
94 PRIOR FILING DATE: 1998-04-15  
95 PRIOR APPLICATION NUMBER: 60/082999  
96 PRIOR FILING DATE: 1998-04-24  
97 PRIOR APPLICATION NUMBER: 60/083322  
98 PRIOR FILING DATE: 1998-04-28  
99 PRIOR APPLICATION NUMBER: 60/083545  
100 PRIOR FILING DATE: 1998-04-29  
101 PRIOR APPLICATION NUMBER: 60/084600  
102 PRIOR FILING DATE: 1998-05-07  
103 PRIOR APPLICATION NUMBER: 60/084627  
104 PRIOR FILING DATE: 1998-05-07  
105 PRIOR APPLICATION NUMBER: 60/084637  
106 PRIOR FILING DATE: 1998-05-07  
107 PRIOR APPLICATION NUMBER: 60/085149  
108 PRIOR FILING DATE: 1998-05-12  
109 PRIOR APPLICATION NUMBER: 60/085323  
110 PRIOR FILING DATE: 1998-05-13  
111 PRIOR APPLICATION NUMBER: 60/085338  
112 PRIOR FILING DATE: 1998-05-13  
113 PRIOR APPLICATION NUMBER: 60/085339  
114 PRIOR FILING DATE: 1998-05-13  
115 PRIOR APPLICATION NUMBER: 60/085579  
116 PRIOR FILING DATE: 1998-05-15  
117 PRIOR APPLICATION NUMBER: 60/085697  
118 PRIOR FILING DATE: 1998-05-15  
119 PRIOR APPLICATION NUMBER: 60/085704  
120 PRIOR FILING DATE: 1998-05-15  
121 PRIOR APPLICATION NUMBER: 60/086414  
122 PRIOR FILING DATE: 1998-05-22  
123 PRIOR APPLICATION NUMBER: 60/086430  
124 PRIOR FILING DATE: 1998-05-22  
125 PRIOR APPLICATION NUMBER: 60/087106  
126 PRIOR FILING DATE: 1998-05-28  
127 PRIOR APPLICATION NUMBER: 60/088026  
128 PRIOR FILING DATE: 1998-06-04  
129 PRIOR APPLICATION NUMBER: 60/088730  
130 PRIOR FILING DATE: 1998-06-10  
131 PRIOR APPLICATION NUMBER: 60/088741  
132 PRIOR FILING DATE: 1998-06-10  
133 PRIOR APPLICATION NUMBER: 60/088810  
134 PRIOR FILING DATE: 1998-06-10  
135 PRIOR APPLICATION NUMBER: 60/088858  
136 PRIOR FILING DATE: 1998-06-11  
137 PRIOR APPLICATION NUMBER: 60/089532  
138 PRIOR FILING DATE: 1998-06-17  
139 PRIOR APPLICATION NUMBER: 60/089599  
140 PRIOR FILING DATE: 1998-06-17  
141 PRIOR APPLICATION NUMBER: 60/089907  
142 PRIOR FILING DATE: 1998-06-18  
143 PRIOR APPLICATION NUMBER: 60/089947  
144 PRIOR FILING DATE: 1998-06-19  
145 PRIOR APPLICATION NUMBER: 60/090349  
146 PRIOR FILING DATE: 1998-06-23



```
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3330R1C160
; CURRENT APPLICATION NUMBER: US/10/123,904
; CURRENT FILING DATE: 2002-04-16
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 219
; LENGTH: 1076
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-123-904-219
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Query Match          9.7%; Score 245.5; DB 9; Length 1076;
Best Local Similarity 27.3%; Pred. No. 5e-11;
Matches 119; Conservative 10; Mismatches 198; Indels 109; Gaps 18;

QY 26 GTEITAGQVDDLGTPANCVCOKNFYNNAAAFVPG-ASTC---TPCPQKKDAGAAQNP 81
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 397 GTATTTCCTGTGCTTCATCAGCTA-----GAGAGATGAAATCCATTACCAGGATGAAAAG 451
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 82 PATANLVTCQNVKCPAGTALAGATDYAAIITECVNCRINFYNENAPNFNAGASTCTACP 141
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 452 AATATTTT-----ATAGGATTGGAACAAA-----GGAATCTACA 486
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 142 V-----NRVGALTAGNAATIVAQCNVACPTGTALDDGVITDYVRSFTCEVKCRNFY 194
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 487 AAGCCATCAGTGAACGTGATATCTCTTCTCTG-----GATTAATAATATTGGAAG 541
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 195 YNGNNGTTPFPNGKSQCTPCPAIKPANVAOATLGNDAITTAOCNVACPDGTISAAGVNNW 254
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 542 CAGTCAGT-----AAACCAAGCAAGTACATTG--ATTTTAC-----AGTTAT 583
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 255 VAQNTCTNCAPNFYNNAPNFPNGNSTCLPCPANKDYGAEATAGGAATLAKQC----- 308
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 584 TTTGAAATACAA-----TAAGAACTGCTA-----GAAATATGTTTATAACAGTCTA 629
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 309 NIACPDGTAIASG-----ATNYVILQTECLNCAANFYDGNNFQ--AGSSRCKACP 357
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 630 TTTCTTTTAAAAACTTTTAAACATAATACTGAGCGCATGTTAGGTGATTCAAGATAGACA 689
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 358 ANKVGAVATAGGTATLTAOCALCECPAGTVLTDGTTSTYKQAASECVKCAANFYTT---- 413
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 690 AGAAGATTATTAGTAAATTAAC-----GTTTGGATAT---AAGTTGTCACTAAATTGCA 740
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 414 -KQTDWVAGIDTCTSC 428
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 741 CATTTCTGTGTTTTC 756
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

```
RESULT 4
US-10-140-470-219
; Sequence 219, Application US/10140470
; Publication No. US20030022331A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

```
; TITLE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3330R1C160
; CURRENT APPLICATION NUMBER: US/10/140,470
; CURRENT FILING DATE: 2002-05-06
; Prior Application removed - See Palm or File Wrapper
; NUMBER OF SEQ ID NOS: 550
; SEQ ID NO 219
; LENGTH: 1076
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-140-470-219

Query Match          9.7%; Score 245.5; DB 9; Length 1076;
Best Local Similarity 27.3%; Pred. No. 5e-11;
Matches 119; Conservative 10; Mismatches 198; Indels 109; Gaps 18;

QY 26 GTEITAGQVDDLGTPANCVCOKNFYNNAAAFVPG-ASTC---TPCPQKKDAGAAQNP 81
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 397 GTATTTCCTGTGCTTCATCAGCTA-----GAGAGATGAAATCCATTACCAGGATGAAAAG 451
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 82 PATANLVTCQNVKCPAGTALAGATDYAAIITECVNCRINFYNENAPNFNAGASTCTACP 141
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 452 AATATTTT-----ATAGGATTGGAACAAA-----GGAATCTACA 486
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 142 V-----NRVGALTAGNAATIVAQCNVACPTGTALDDGVITDYVRSFTCEVKCRNFY 194
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 487 AAGCCATCAGTGAACGTGATATCTCTTCTCTG-----GATTAATAATATTGGAAG 541
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 195 YNGNNGTTPFPNGKSQCTPCPAIKPANVAOATLGNDAITTAOCNVACPDGTISAAGVNNW 254
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 542 CAGTCAGT-----AAACCAAGCAAGTACATTG--ATTTTAC-----AGTTAT 583
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 255 VAQNTCTNCAPNFYNNAPNFPNGNSTCLPCPANKDYGAEATAGGAATLAKQC----- 308
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 584 TTTGAAATACAA-----TAAGAACTGCTA-----GAAATATGTTTATAACAGTCTA 629
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 309 NIACPDGTAIASG-----ATNYVILQTECLNCAANFYDGNNFQ--AGSSRCKACP 357
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 630 TTTCTTTTAAAAACTTTTAAACATAATACTGAGCGCATGTTAGGTGATTCAAGATAGACA 689
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 358 ANKVGAVATAGGTATLTAOCALCECPAGTVLTDGTTSTYKQAASECVKCAANFYTT---- 413
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 690 AGAAGATTATTAGTAAATTAAC-----GTTTGGATAT---AAGTTGTCACTAAATTGCA 740
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

QY 414 -KQTDWVAGIDTCTSC 428
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 741 CATTTCTGTGTTTTC 756
   ||| | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
```

```
RESULT 5
US-10-175-746-219
; Sequence 219, Application US/10175746
; Publication No. US20030027270A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Colin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
```

US-10-T-50  
17-041-C/T-21

Query Match	9.7%	Score 245.5;	DB 9;	Length 1076;
Best Local Similarity	27.3%	Pred. No. 5e-11;		
Matches	119;	Conservative	10;	Mismatches 198;
				Indels 109;
				Gaps 18;

[illegible]

7. **ПРОСТЫ**

```

; Sequence 219, Application US/10176921
; Publication No. US20030027276A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Beresini, Maureen
; APPLICANT: DeForge, Laura
; APPLICANT: Desnoyers, Luc
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Gao, Wei-Qiang
; APPLICANT: Gerritsen, Mary E.
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Sherwood, Steven
; APPLICANT: Smith, Victoria
; APPLICANT: Stewart, Timothy A.
; APPLICANT: Tumas, Daniel
; APPLICANT: Watanabe, Collin K
; APPLICANT: Wood, William
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEOTIC ACID SEQUENCES
; FILE REFERENCE: P3330R1C288
; CURRENT APPLICATION NUMBER: US/10/176,921

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; LENGTH: 4440
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-176-758-525

Query Match
  9.2%; Score 233.5; DB 9; Length 4440;
Best Local Similarity 25.6%; Pred. No. 2.1e-09;
Matches 121; Conservative 10; Mismatches 248; Indels 93; Gaps 16;

QY 20 SANCPCVGTETNTAGQVDDLGTTPANCVCNKNFYNNAAAFVPGASTCTPCPKKDKAGAP 79
Db 3955 AATCACTCTTTTGTGCCAAG-----GTAATAATATATCCAC-ATTGAGATC 3999

QY 80 NPPAT-ANLVTQCNCPCAGTAAGATDYAAIITECVNCRINFYNENAPNFNAGASTCT 138
Db 4000 ATACTGAATATACAGACTAATTCAGGAAAAATGTATGCTTTATTGCA---TTGAGTCT 4056

QY 139 ACPV-----NRVGGALTAGNAATIAQCNVACPCTGTALDDGVTTDYVRSFTECVKCRNFY 194
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGTATTGAAAT-----CTTCACTGA 4107

QY 195 YNGNNGNTPFNPCKSQ-----CTPCPAIKPANVAQATLGNDAITTAQCNVACP 244
Db 4108 GACTTATTTTGGCTTTTTCACATGCTCTGCAAA-----TGTATTGTTAAATTTATTGTA 4163

QY 245 ---TISAAGYNNWVAQNTCTNCAPNFYNNNPNFNGNSTCLPCPANKDYGAETAG-- 299
Db 4164 GTATTTTAGGGAAATGATTTCTA-----AAGTTTGTATTCTAGCTTGTATAATT 4217

QY 300 -----GAATLAKOCNIACPDGTATASGATNYVILQTECLNCA-ANFYDGNFQAG-- 349
Db 4218 TACATATGAGATAGTATGTTGTATATATTATTAACATGATCATATTACTGTATTGTA 4277

QY 350 -----SSRCKACAPANKVOGAVAT-----AGGTATLIAQC-----ALECP 383
Db 4278 TTGTTTAAATAGTTTCTATATTATTTGGGTTTCTCGGAATACACCTTATTATCTACA 4337

QY 384 AGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDTCTSCNKKLTSG 435
Db 4338 AATTATGATGTTTGTGCTTTTCCAAATGTTTCATAACTGTTTTTATATTCTTG 4389

RESULT 12
US-10-175-737-525
; Sequence 525, Application US/10175737
; Publication No. US20030013153A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C50
; CURRENT APPLICATION NUMBER: US/10/175,737
; CURRENT FILING DATE: 2002-06-19
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 525
; LENGTH: 4440
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-175-737-525

Query Match
  9.2%; Score 233.5; DB 9; Length 4440;
Best Local Similarity 25.6%; Pred. No. 2.1e-09;
Matches 121; Conservative 10; Mismatches 248; Indels 93; Gaps 16;

QY 20 SANCPCVGTETNTAGQVDDLGTTPANCVCNKNFYNNAAAFVPGASTCTPCPKKDKAGAP 79
Db 3955 AATCACTCTTTTGTGCCAAG-----GTAATAATATATCCAC-ATTGAGATC 3999

QY 80 NPPAT-ANLVTQCNCPCAGTAAGATDYAAIITECVNCRINFYNENAPNFNAGASTCT 138
Db 4000 ATACTGAATATACAGACTAATTCAGGAAAAATGTATGCTTTATTGCA---TTGAGTCT 4056

QY 139 ACPV-----NRVGGALTAGNAATIAQCNVACPCTGTALDDGVTTDYVRSFTECVKCRNFY 194
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGTATTGAAAT-----CTTCACTGA 4107

QY 195 YNGNNGNTPFNPCKSQ-----CTPCPAIKPANVAQATLGNDAITTAQCNVACP 244
Db 4108 GACTTATTTTGGCTTTTTCACATGCTCTGCAAA-----TGTATTGTTAAATTTATTGTA 4163

QY 245 ---TISAAGYNNWVAQNTCTNCAPNFYNNNPNFNGNSTCLPCPANKDYGAETAG-- 299
Db 4164 GTATTTTAGGGAAATGATTTCTA-----AAGTTTGTATTCTAGCTTGTATAATT 4217

QY 300 -----GAATLAKOCNIACPDGTATASGATNYVILQTECLNCA-ANFYDGNFQAG-- 349
Db 4218 TACATATGAGATAGTATGTTGTATATATTATTAACATGATCATATTACTGTATTGTA 4277

QY 350 -----SSRCKACAPANKVOGAVAT-----AGGTATLIAQC-----ALECP 383
Db 4278 TTGTTTAAATAGTTTCTATATTATTTGGGTTTCTCGGAATACACCTTATTATCTACA 4337

QY 384 AGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDTCTSCNKKLTSG 435
Db 4338 AATTATGATGTTTGTGCTTTTCCAAATGTTTCATAACTGTTTTTATATTCTTG 4389

RESULT 13
US-10-173-706-525
; Sequence 525, Application US/10173706
; Publication No. US2003002293A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C7
; CURRENT APPLICATION NUMBER: US/10/173,706
; CURRENT FILING DATE: 2002-06-17
; Prior Application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 525
; LENGTH: 4440
; TYPE: PRT
; ORGANISM: Homo Sapien
US-10-173-706-525

Query Match
  9.2%; Score 233.5; DB 9; Length 4440;
Best Local Similarity 25.6%; Pred. No. 2.1e-09;
Matches 121; Conservative 10; Mismatches 248; Indels 93; Gaps 16;

QY 20 SANCPCVGTETNTAGQVDDLGTTPANCVCNKNFYNNAAAFVPGASTCTPCPKKDKAGAP 79
Db 3955 AATCACTCTTTTGTGCCAAG-----GTAATAATATATCCAC-ATTGAGATC 3999

QY 80 NPPAT-ANLVTQCNCPCAGTAAGATDYAAIITECVNCRINFYNENAPNFNAGASTCT 138
Db 4000 ATACTGAATATACAGACTAATTCAGGAAAAATGTATGCTTTATTGCA---TTGAGTCT 4056

QY 139 ACPV-----NRVGGALTAGNAATIAQCNVACPCTGTALDDGVTTDYVRSFTECVKCRNFY 194
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGTATTGAAAT-----CTTCACTGA 4107

QY 195 YNGNNGNTPFNPCKSQ-----CTPCPAIKPANVAQATLGNDAITTAQCNVACP 244
Db 4108 GACTTATTTTGGCTTTTTCACATGCTCTGCAAA-----TGTATTGTTAAATTTATTGTA 4163

QY 245 ---TISAAGYNNWVAQNTCTNCAPNFYNNNPNFNGNSTCLPCPANKDYGAETAG-- 299
Db 4164 GTATTTTAGGGAAATGATTTCTA-----AAGTTTGTATTCTAGCTTGTATAATT 4217

QY 300 -----GAATLAKOCNIACPDGTATASGATNYVILQTECLNCA-ANFYDGNFQAG-- 349
Db 4218 TACATATGAGATAGTATGTTGTATATATTATTAACATGATCATATTACTGTATTGTA 4277

QY 350 -----SSRCKACAPANKVOGAVAT-----AGGTATLIAQC-----ALECP 383
Db 4278 TTGTTTAAATAGTTTCTATATTATTTGGGTTTCTCGGAATACACCTTATTATCTACA 4337

QY 384 AGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDTCTSCNKKLTSG 435
Db 4338 AATTATGATGTTTGTGCTTTTCCAAATGTTTCATAACTGTTTTTATATTCTTG 4389
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Db 4000 ATACTGAATATACACACTAAATTCAGGAAAAATGATGCTTTATTGCA---TTGAGTCT 4056  
QY 139 ACPV-----NRVGGALTAGNAATIVACNVACPTGTALDDGVTTDYVRSFTECVKRLNFI 194  
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGATTGAAAT-----CTTCACTGA 4107  
QY 195 YNGNNGTFFNPKGSK-----CTPCPAIKPANVAQATLGNDAITTAOCNVACPDG 244  
Db 4108 GACTTATTTTGGCTTTTCACATGCTCGCAAA-----TGTATGTTAAATTTATTATTAG 4163  
QY 245 ---TISAAGVNNWVAQNTCTNCAPNFYNNAPNPNSTCLPCPANKDYGAEATAG-- 299  
Db 4164 GTATTTTAGGGGAAATGATTTTCTA-----AAGTTTGTTATTTCTAGCTTGTATAATT 4217  
QY 300 -----GAATLAKOCNIACPDGTAIASGATNYVILQTECLNCA-ANFYFDGNHFOAG-- 349  
Db 4218 TACATATGAGATAGTATGTTGTAATATTTATACTGATCATATTAATCTGTTATTGTA 4277  
QY 350 -----SSRCKACAPANKVOGAVAT-----AGGTATLIAQC-----ALECP 383  
Db 4278 TGTATTTAATAGTTTCTTCTATTTTGGGTTTCTCGGAATACACACCTTATTAATCTACA 4337  
QY 384 AGTULDTGTTSTYKQAASECVKCAANFYTTKOTDWAGIDTCTSCNKKLTSG 435  
Db 4338 AATTATGATTGTTTGGCTTTTCCCAATGTTTCATAACTGTTTATATTTCTTG 4389

RESULT 14  
US-10-175-738-525  
; Sequence 525, Application US/10175738  
; Publication No. US2003002294A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C45  
; CURRENT APPLICATION NUMBER: US/10/175,738  
; CURRENT FILING DATE: 2002-06-19  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 525  
; LENGTH: 4440  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-738-525

Query Match 9.2%; Score 233.5; DB 9; Length 4440;  
Best Local Similarity 25.6%; Pred. No. 2.1e-09;  
Matches 121; Conservative 10; Mismatches 248; Indels 93; Gaps 16;  
QY 20 SANCPTGTEINTAGQVDDLTGPANVCNCFYNNAAAFVPGASTCTPCPKKDKAGAP 79  
Db 3955 AATCACTCTTTTGTCCCAAG-----GTAAATATATATCCAC-ATTGAGATC 3999  
QY 80 NPPAT-ANLVTCNVKCPAGTAIAGATDYAAIITECVNCRINFYNENAPNFNAGASTCT 138  
Db 4000 ATACTGAATATACAGACTAATTCAGGAAAAAATGATGCTTTATTGCA---TTGAGTCT 4056  
QY 139 ACPV-----NRVGGALTAGNAATIVACNVACPTGTALDDGVTTDYVRSFTECVKRLNFI 194  
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGATTGAAAT-----CTTCACTGA 4107

QY 195 YNGNNGTFFNPKGSK-----CTPCPAIKPANVAQATLGNDAITTAOCNVACPDG 244  
Db 4108 GACTTATTTTGGCTTTTCACATGCTCGCAAA-----TGTATGTTAAATTTATTATTAG 4163  
QY 245 ---TISAAGVNNWVAQNTCTNCAPNFYNNAPNPNSTCLPCPANKDYGAEATAG-- 299  
Db 4164 GTATTTTAGGGGAAATGATTTTCTA-----AAGTTTGTTATTTCTAGCTTGTATAATT 4217  
QY 300 -----GAATLAKOCNIACPDGTAIASGATNYVILQTECLNCA-ANFYFDGNHFOAG-- 349  
Db 4218 TACATATGAGATAGTATGTTGTAATATTTATACTGATCATATTAATCTGTTATTGTA 4277  
QY 350 -----SSRCKACAPANKVOGAVAT-----AGGTATLIAQC-----ALECP 383  
Db 4278 TGTATTTAATAGTTTCTTCTATTTTGGGTTTCTCGGAATACACACCTTATTAATCTACA 4337  
QY 384 AGTULDTGTTSTYKQAASECVKCAANFYTTKOTDWAGIDTCTSCNKKLTSG 435  
Db 4338 AATTATGATTGTTTGGCTTTTCCCAATGTTTCATAACTGTTTATATTTCTTG 4389

RESULT 15  
US-10-175-752-525  
; Sequence 525, Application US/10175752  
; Publication No. US2003002295A1  
; GENERAL INFORMATION:  
; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE REFERENCE: P3430R1C60  
; CURRENT APPLICATION NUMBER: US/10/175,752  
; CURRENT FILING DATE: 2002-06-19  
; Prior application removed - See File Wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 525  
; LENGTH: 4440  
; TYPE: PRT  
; ORGANISM: Homo Sapien  
US-10-175-752-525

Query Match 9.2%; Score 233.5; DB 9; Length 4440;  
Best Local Similarity 25.6%; Pred. No. 2.1e-09;  
Matches 121; Conservative 10; Mismatches 248; Indels 93; Gaps 16;  
QY 20 SANCPTGTEINTAGQVDDLTGPANVCNCFYNNAAAFVPGASTCTPCPKKDKAGAP 79  
Db 3955 AATCACTCTTTTGTCCCAAG-----GTAAATATATATCCAC-ATTGAGATC 3999  
QY 80 NPPAT-ANLVTCNVKCPAGTAIAGATDYAAIITECVNCRINFYNENAPNFNAGASTCT 138  
Db 4000 ATACTGAATATACAGACTAATTCAGGAAAAAATGATGCTTTATTGCA---TTGAGTCT 4056  
QY 139 ACPV-----NRVGGALTAGNAATIVACNVACPTGTALDDGVTTDYVRSFTECVKRLNFI 194  
Db 4057 TCTTATCCAATAAAAAAGATAT-GAATTTCCATGATTGAAAT-----CTTCACTGA 4107  
QY 195 YNGNNGTFFNPKGSK-----CTPCPAIKPANVAQATLGNDAITTAOCNVACPDG 244  
Db 4108 GACTTATTTTGGCTTTTCACATGCTCGCAAA-----TGTATGTTAAATTTATTATTAG 4163  
QY 245 ---TISAAGVNNWVAQNTCTNCAPNFYNNAPNPNSTCLPCPANKDYGAEATAG-- 299  
Db 4164 GTATTTTAGGGGAAATGATTTTCTA-----AAGTTTGTTATTTCTAGCTTGTATAATT 4217

QY 300 -----GAATLAKOCNIACPDGTALASGATNYVILQTECLNCA-ANFYFDGNNFQAG-- 349  
Db 4218 TACATATGAGATAGTCATTTGTTGATATATTATTAATAACTGATCATATTTACTGTATTTGTA 4277  
QY 350 -----SSRCKACGANKVOGAVAT---AGGTATLIAQC-----ALECP 383  
Db 4278 TTGTTTTAATAGTTTTTCTATATTGTTGGGTTTTCTGGAATACACCTTATTATCTACA 4337  
QY 384 AGTVLTDGTTSTYKQAASECVKCAANFYTTKQTDWVAGIDFTCTSCNKKLTSG 435  
Db 4338 AATTATGATTTGTTGGCCTTTTCCAATGTCATAACTGTTTTTATATTCTTG 4389

Search completed: February 11, 2003, 19:56:21  
Job time : 36 secs